

Product Data Sheet



GEARS AND PUMPS

MultiPump SPO Series

Summit MultiPump SPO Series gear lubricants are formulated with synthetic base stocks and fortified with select additive systems to enhance their exceptional performance. The PAO base fluid used has outstanding oxidation and thermal stability, naturally high viscosity index and excellent low temperature pumpability and fluidity. The unique additive system used provides increased oxidation stability, extreme pressure properties, and maximum protection against wear, rust, corrosion and foaming.

Summit MultiPump SPO synthetic gear lubricants have proven to reduce friction, thereby reducing the input power to operate the equipment or increasing the available power output. This product line meets the requirements of U.S. Steel 224 specification, AGMA 9005-D94 specification, DIN 51517 Part 3 CLP specification and API GL-4 Gear Service Category.

Summit MultiPump SPO Series gear lubricants are recommended for use in all types of enclosed gearing with specific focus on Multiplex Pumps. These lubricants are ideal for the complex tribological requirements of multiplex pump such as high temperatures, heavy loads and extreme environments. Summit MultiPump SPO Series gear lubricants are compatible with most seal materials, paints and plastics, including nitrile buna N, neoprene, Viton®, Teflon®, polyethylene, polyurethane ether, fluorocarbon, polyacrylate, polysulfide, ethylene acrylic, epoxy, plastisol, PVC, acrylic paint and lacquer.

Physical Properties

PRODUCTS	SPO-100	SPO-150	SPO-220	SPO-320	SPO-460
ISO Grade	100	150	220	320	460
AGMA Number	3 EP	4 EP	5 EP	6 EP	7 EP
Viscosity					
@ 40°C, cSt	95.7	147	232	342	490
@ 100°C, cSt	12.9	17.8	25.4	32.8	43.1
Viscosity Index	132	133	139	134	139
Specific Gravity	0.862	0.868	0.877	0.878	0.882
Pour Pt. F°(C°)	-42 (-41)	-49 (-45)	-45(-43)	-40(-40)	-35(-37)
Flash Pt. F°(C°)	485(252)	485(252)	485(252)	485(252)	485(252)
Copper Corrosion	1A	1A	1A	1A	1A
Rust Test	Pass	Pass	Pass	Pass	Pass
Timken OK, lbs	65	65	65	65	65
Four-Ball Weld, kgs	200	315	315	315	315
Four-Ball Scar, mm	.30	.39	.34	.30	.30
FZG Gear Test	12+ Pass	12+ Pass	12+ Pass	12+ Pass	12+ Pass

Shelf Life: Product shelf life is 5 years from the date of manufacture, after which the product should be recertified prior to use.